

## WHAT IS CLAIMED IS:

## 1. A device comprising:

- a receptacle containing a single dose of a treatment substance; and
- 5       • an indicator configured to change state as a function of temperature.

2. A device according to claim 1, wherein the indicator is configured to change state a first time when the  
10       temperature reaches a first value, and a second time when the temperature reaches a second value that is higher than the first.

3. A device according to claim 1, wherein the indicator  
15       has an appearance which changes with temperature.

4. A device according to claim 3, wherein the indicator changes color with temperature.

20       5. A device according to claim 3, wherein the indicator has an appearance which changes reversibly with temperature.

25       6. A device according to claim 3, wherein the indicator comprises a thermochromic pigment.

7. A device according to claim 1, wherein the indicator is configured to release a volatile odorous substance when the temperature exceeds a predetermined value.  
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8. A device according to claim 1, wherein the indicator comprises at least one flexible support fixed onto the receptacle.

35       9. A device according to claim 1, wherein the receptacle comprises a pouch.

10. A device according to claim 1, wherein the indicator changes state when the temperature reaches a value lying in the range 30°C to 40°C.

5 11. A device according to claim 1, wherein the receptacle comprises a fixing member allowing the receptacle to be fixed onto a radiator.

10 12. A device according to claim 1, wherein the receptacle comprises ballast allowing the receptacle to have zero or negative buoyancy in water.

15 13. A device according to claim 1, wherein the substance is at least one of a cosmetic substance and a care substance.

20 14. A device according to claim 13, wherein the substance is selected from the following list: a shampoo, a shower gel, a self-tanning substance, a film-forming composition, a mask forming composition, a massage oil.

15. A device according to claim 8, wherein the flexible support is fixed onto the receptacle via an adhesive.

25 16. A packaging device comprising: ✓

. a receptacle comprising:

a storage space containing a treatment substance and having a first volume,

30 . a dispenser member having a second volume smaller than the first, said dispenser member being capable to be in communication with the storage space; and

. an indicator configured to change state as a function of temperature.

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17. A device according to claim 16, wherein said dispenser member is configured so as to contain a single dose of substance.

5 18. A device according to claim 16, wherein the indicator is configured to change state a first time when the temperature reaches a first value, and a second time when the temperature reaches a second value that is higher than the first.

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19. A device according to claim 16, wherein the indicator has an appearance which changes with temperature.

20. A device according to claim 19, wherein the indicator  
15 changes color with temperature.

21. A device according to claim 19, wherein the indicator has an appearance which changes reversibly with temperature.

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22. A device according to claim 19, wherein the indicator comprises a thermochromic pigment.

23. A device according to claim 16, wherein the indicator  
25 is configured to release a volatile odorous substance when the temperature exceeds a predetermined value.

24. A device according to claim 16, wherein the indicator comprises at least one flexible support fixed onto the  
30 receptacle.

25. A device according to claim 24, wherein the flexible support is fixed onto the receptacle via an adhesive.

35 26. A device according to claim 16, wherein the dispenser member is connected to a remainder of the receptacle in removable manner.

27. A device according to claim 26, wherein the dispenser member is configured so as to allow closure of the storage space in sealed manner.

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28. A device according to claim 16, wherein the dispenser member is connected to a remainder of the receptacle in non-removable manner.

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29. A device according to claim 16, wherein the dispenser member is connected to the storage space via a flexible tube.

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30. A device according to claim 16, wherein the indicator changes state when the temperature reaches a value lying in the range 30°C to 40°C.

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31. A device according to claim 16, wherein the receptacle comprises a fixing member allowing the receptacle to be fixed onto a radiator.

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32. A device according to claim 16, wherein the receptacle comprises ballast allowing the receptacle to have zero or negative buoyancy in water.

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33. A device according to claim 16, wherein the substance is at least one of a cosmetic substance and a care substance.

34. A device according to claim 33, wherein the substance is selected from the following list: a shampoo, a shower gel, a self-tanning substance, a film-forming composition, a massage oil.

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35. A packaging device comprising:

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- a receptacle containing a treatment substance said receptacle comprising a fixing member allowing the receptacle to be fixed onto a radiator; and

- an indicator configured to change state as a function of temperature.

36. A packaging device comprising:

- a receptacle containing a treatment substance said receptacle comprising ballast allowing the receptacle to have zero or negative buoyancy in water; and

- an indicator configured to change state as a function of temperature.

37. A packaging device comprising:

- a receptacle containing a treatment substance; and
- an indicator configured to change state when the temperature reaches a value lying in the range 30° to 40°.

38. A method of applying a treatment substance contained in a packaging device as defined in claim 1, said method comprising:

- exposing the packaging device to at least one of a heat source so as to raise the temperature of the substance at least until the indicator changes state, and of a cold source so as to lower the temperature of the substance until the indicator changes state; and
- applying the substance.

39. A method according to claim 38, wherein the heat source comprises at least one of hot water, a hot surface and a radiator.

40. A method of applying a treatment substance contained in a device comprising a storage space and a dispenser member as defined in claim 16, said method comprising:

- recharging the dispenser member with a dose of substance;

- exposing at least the dispenser member to at least one of a heat source so as enable the temperature of the substance contained in said dispenser member to rise at least until the temperature indicator changes state, and a cold source so as enable the temperature of the substance contained in said dispenser member to drop at least until the temperature indicator changes state; and

- applying the substance contained in the dispenser member.